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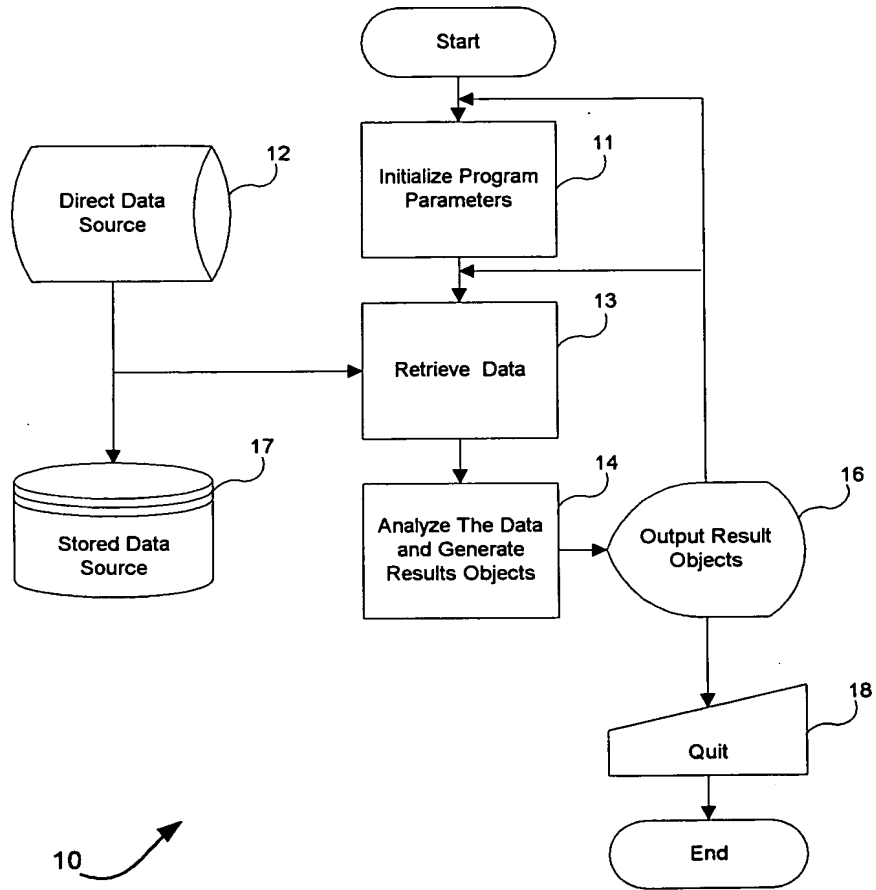


FIG. 1

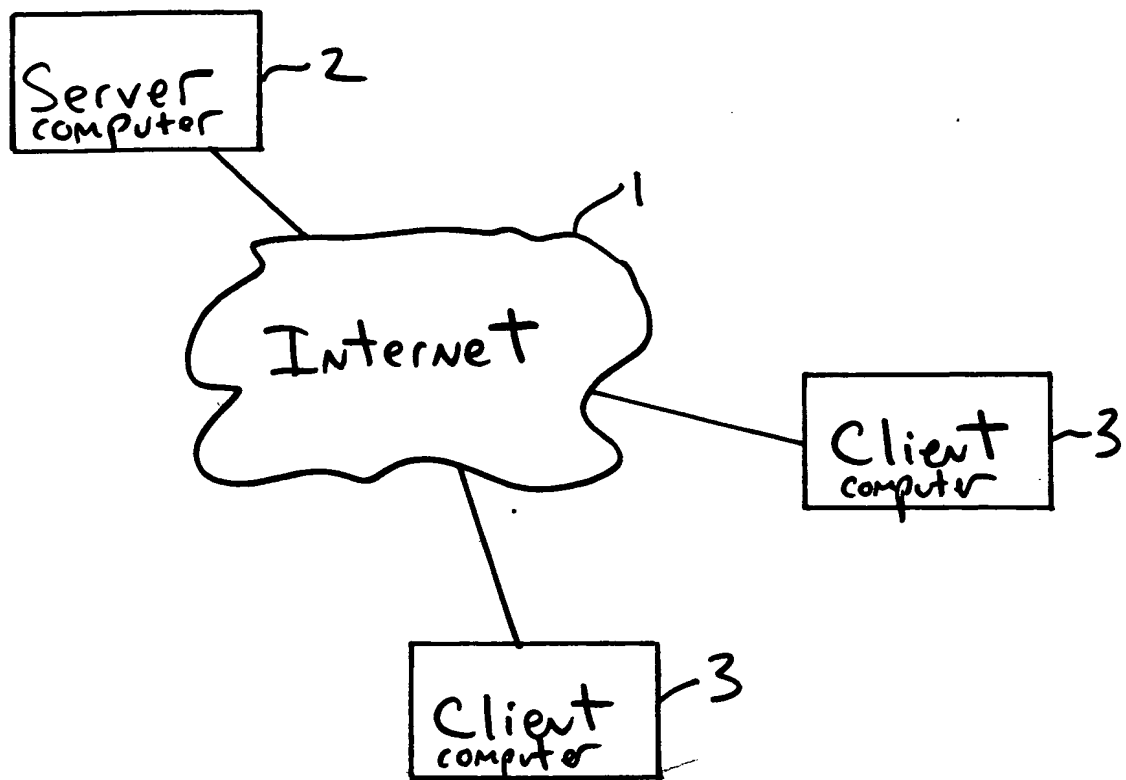


FIG. 1a

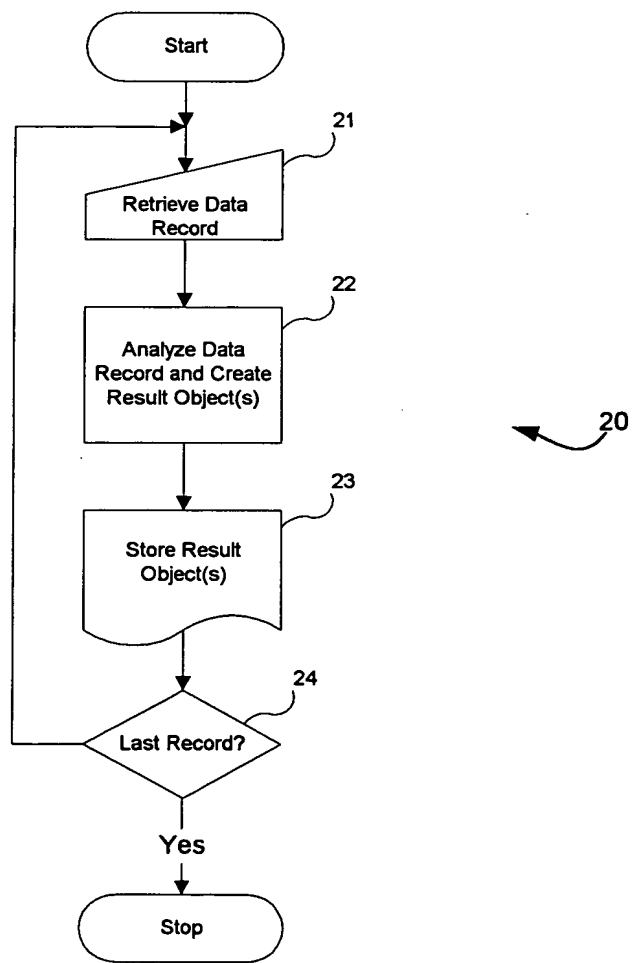


FIG. 2

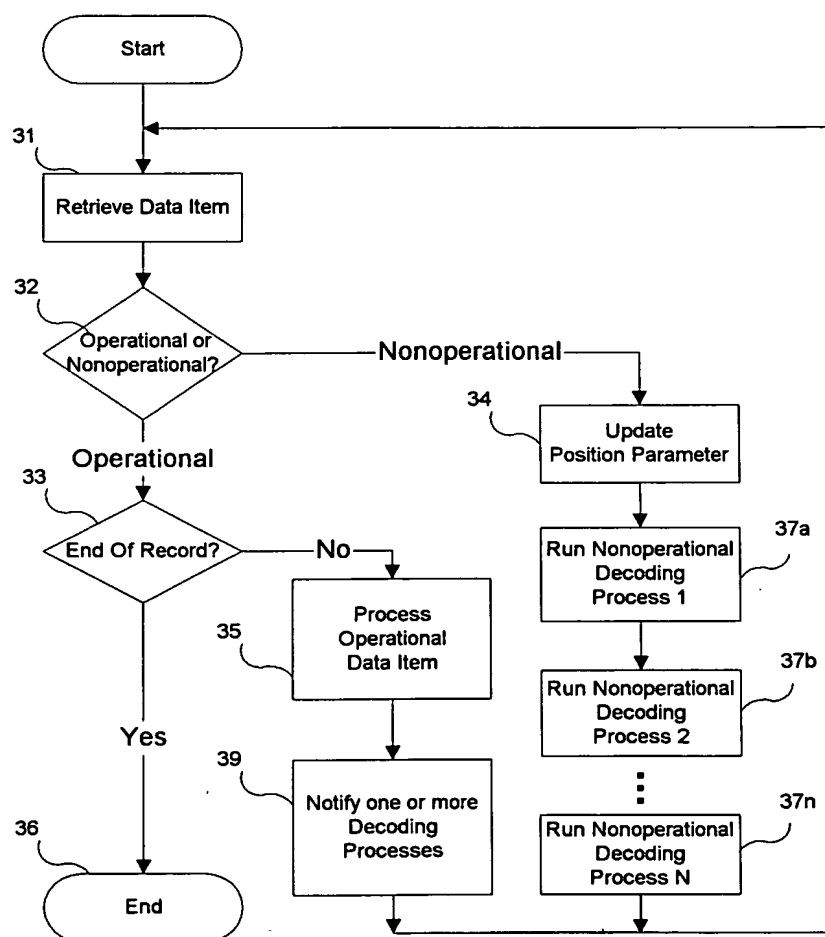
[illegible]

FIG. 3

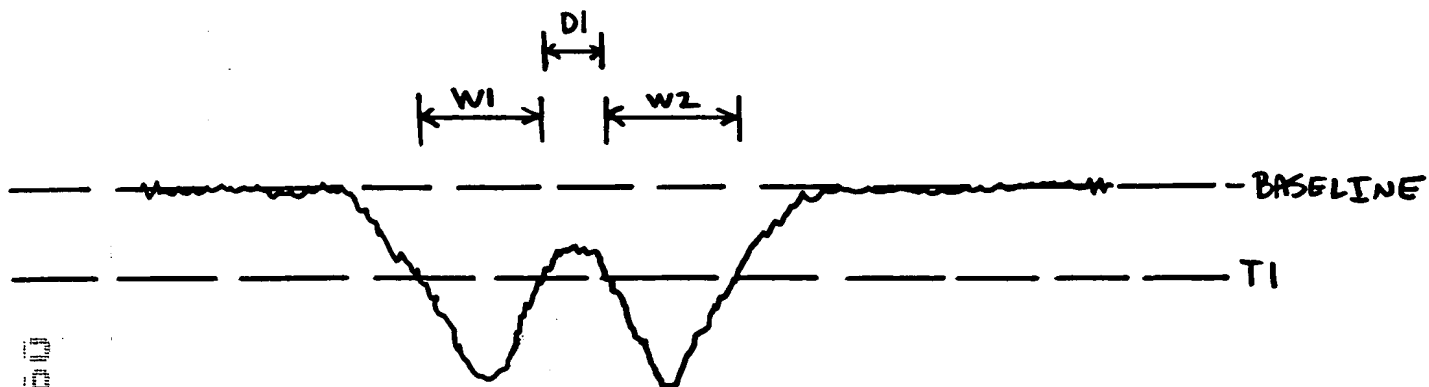


FIG. 3a

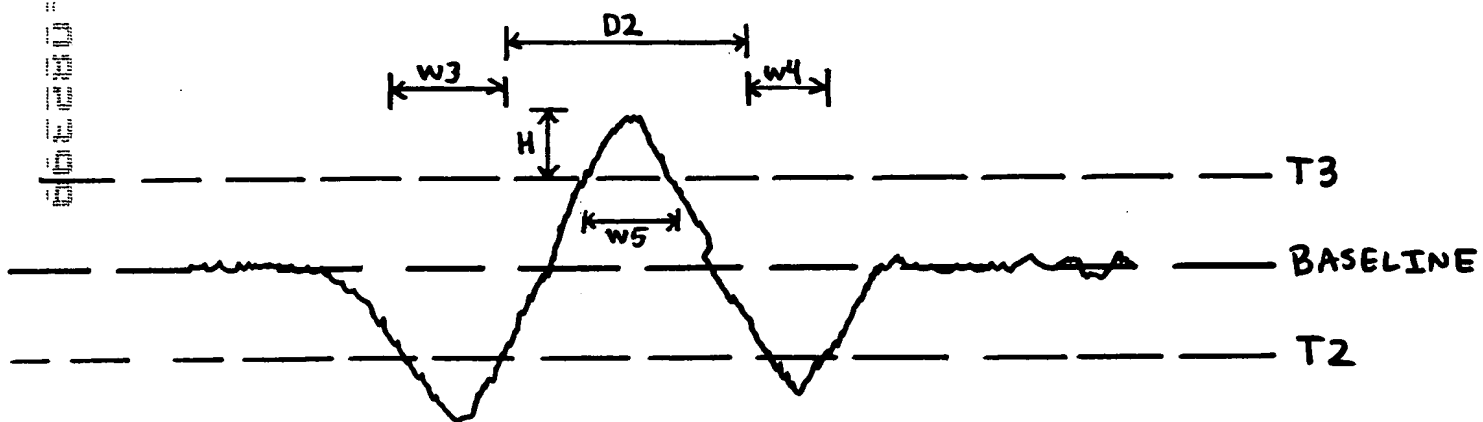


FIG. 3b

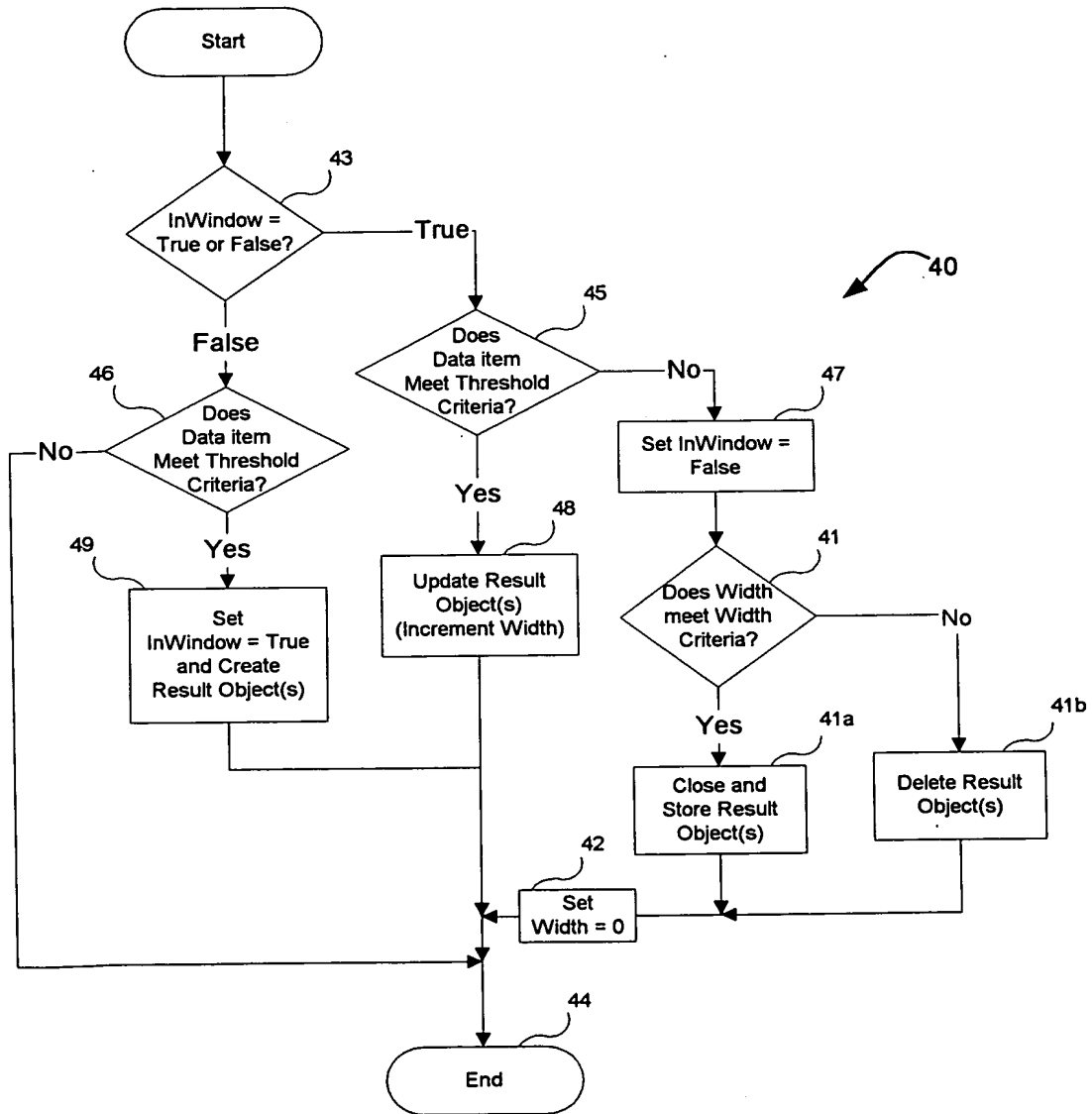


FIG. 4

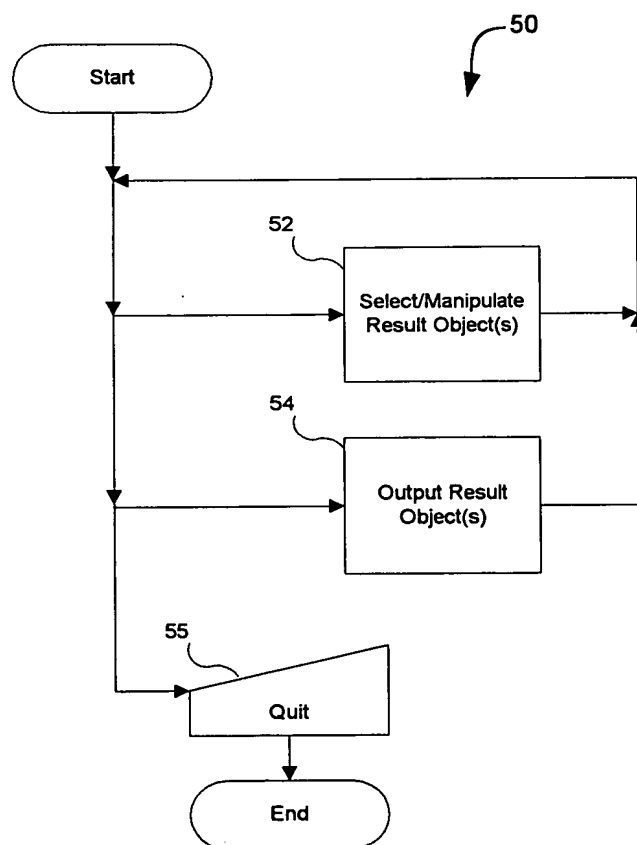
[illegible]

FIG. 5

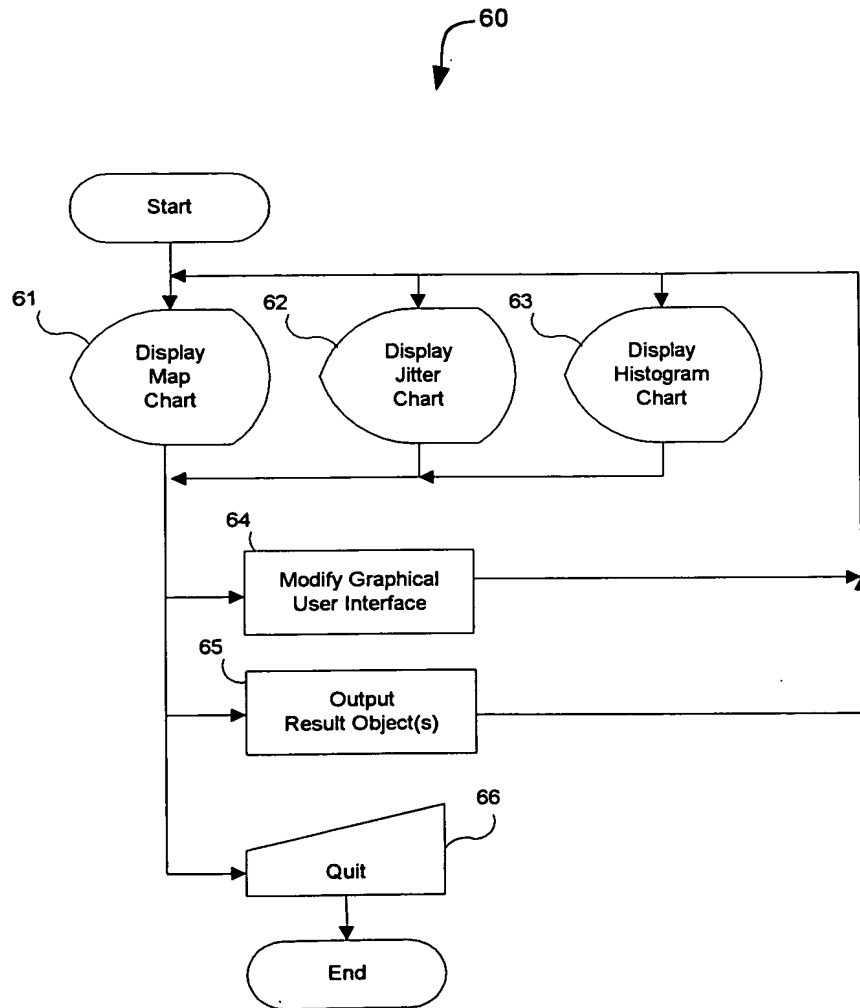


FIG. 6

560090.1

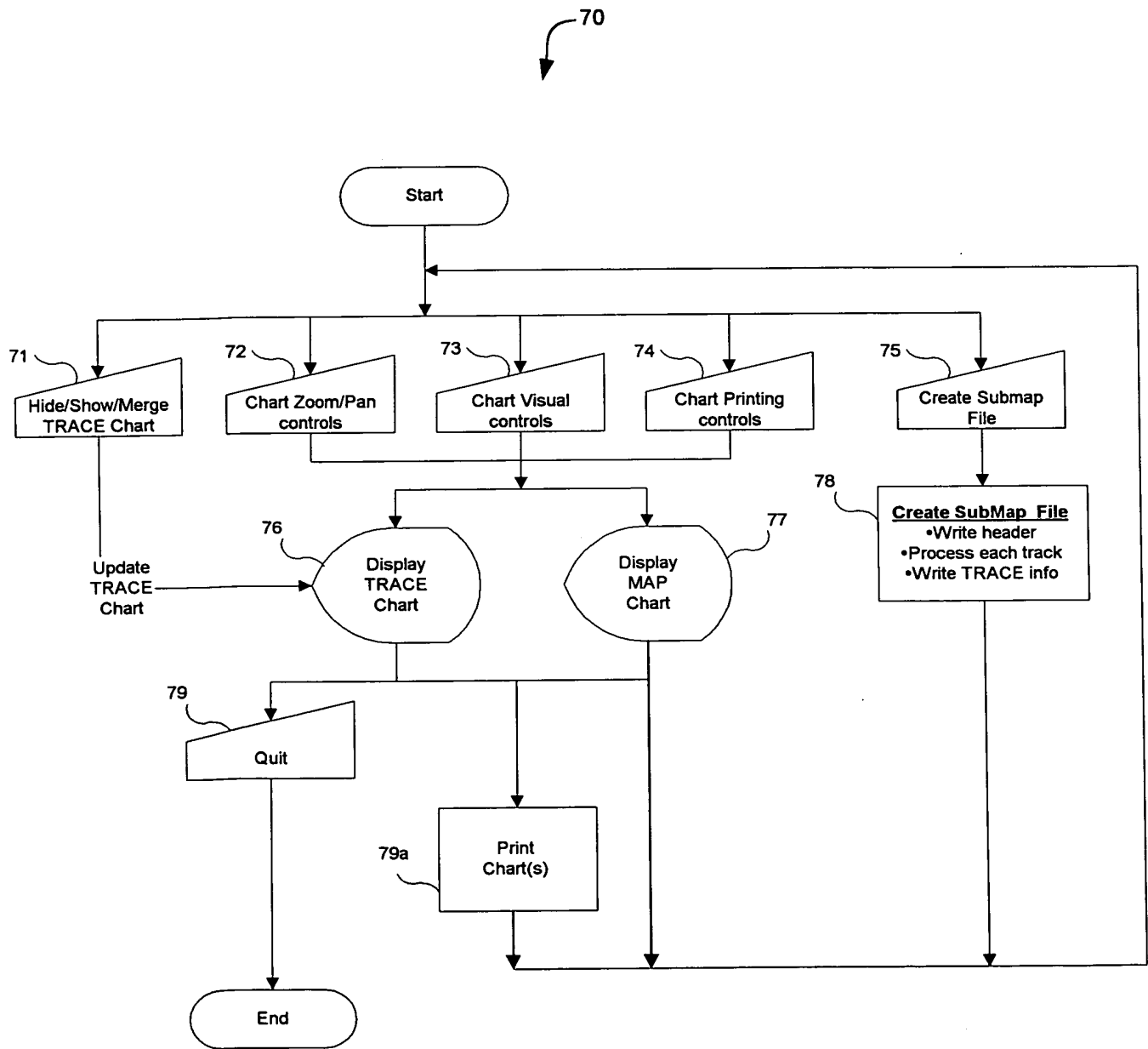


FIG. 7

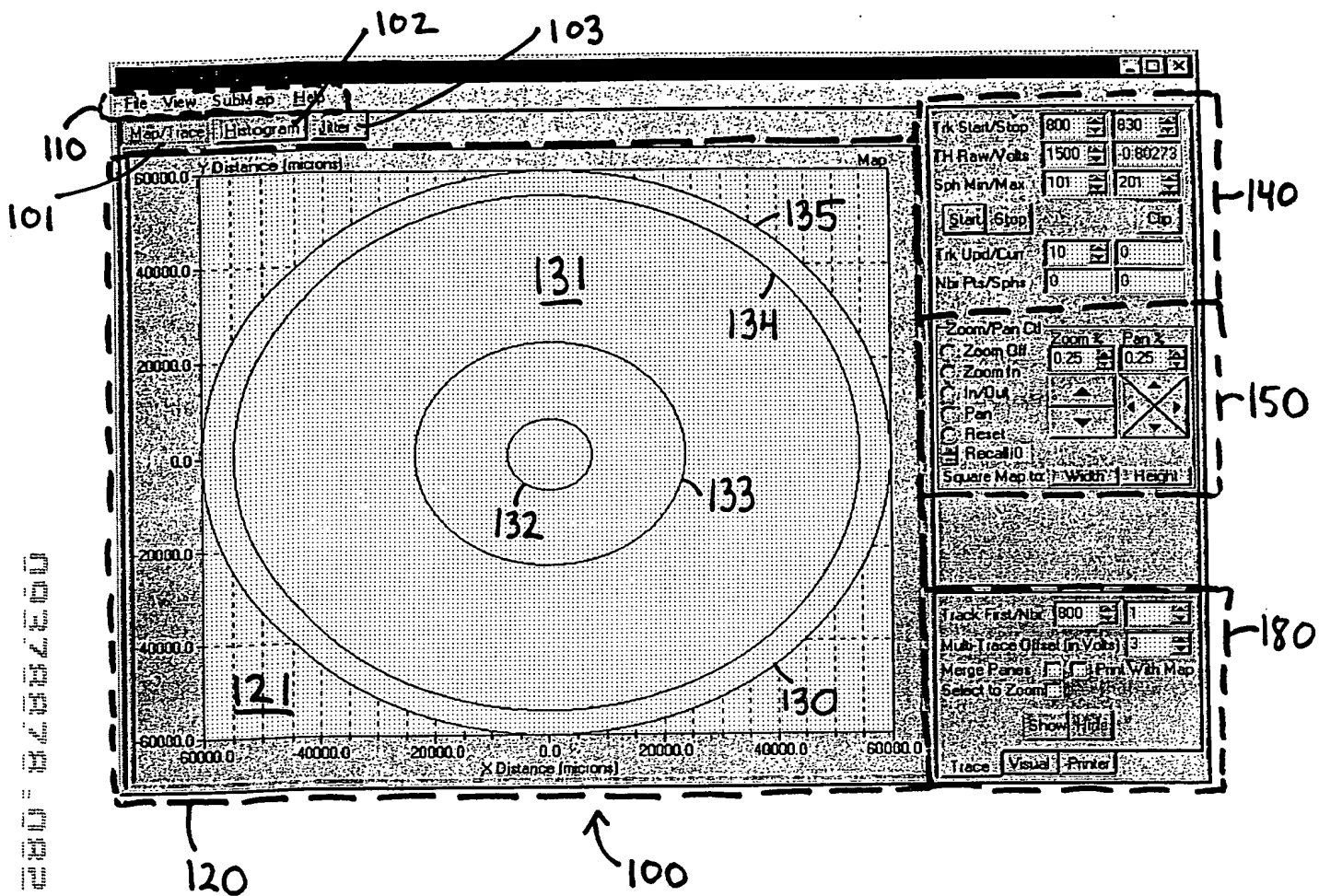


FIG. 8

Figure 1 is a screenshot of a "Debug Info" window. The window has a title bar "Debug Info" and a dark background. It contains several rows of data, each with a label on the left and a numerical value in a box on the right. The labels are: "Trk Curr/NbrPls", "Nbr Pls/Sphs", "Total Pls Read", "File Position", "Points Plotted", "Points Skipped", "Points Per Trk", "Tot Pls Tested", and "Difference". The values are: 000, 0, 0, 0, 0, 0, 0, 0, and 0. There are also two columns of headers: "Starting" and "Ending" for "Points Plotted", and "Passed" and "Failed" for "Points Skipped". A checkbox labeled "Cars Off" is at the bottom right. Handwritten labels with arrows point to various elements: 170 points to the window frame, 171a points to the title bar, 171b points to the "Trk Curr/NbrPls" label, 172a points to the "000" value, 172b points to the "0" value, 173 points to the "Total Pls Read" label, 174 points to the "0" value, 175a points to the "Points Plotted" label, 175b points to the "0" value, 176a points to the "Points Skipped" label, 176b points to the "0" value, 177a points to the "Points Per Trk" label, 177b points to the "0" value, 178 points to the "Tot Pls Tested" label, and 179 points to the "Cars Off" checkbox.

FIG. 9

Figure 1 shows a computer screen displaying a map of a sample area. The map features a dark, irregularly shaped region (labeled 160) within a rectangular boundary (labeled 152). The X-axis is labeled "X Distance (microns)" and ranges from -4000.0 to 4000.0. The Y-axis is labeled "Y Microns (Trks-2042-4044)" and ranges from 20000.0 to 28000.0. A line labeled 152a is visible on the right side of the map. The right side of the screen shows a control panel with various settings and buttons. Handwritten labels 192, 193, 194, 195, and 190 are present on the right side of the image.

FIG. 11a

Map/Trace Histogram Filter

Nbr of Points (per Voltage Bin)

250000.0

200000.0

150000.0

100000.0

50000.0

0.0

2.0 1.0 0.0 1.0

Volts (128 Bins across 6 Volt range)

1226

Control Panel:

Trk Start/Stop: 662 991

Trk Row/Volts: 1500 0.80273

Sph Min/Max: 101 201

Start Stop Clip

Trk Upd/Curr: 10 991

Nbr Pts/Sphs: 2187 47

Zoom/Pan Cl

C Zoom Out: 0.25

C Zoom In: 0.25

C In/Out: [Up/Down Arrows]

C Pan: [Left/Right Arrows]

C Reset: [Reset Icon]

C Recall: [Recall Icon]

Square Map to: [Square Map Icon] Height

Track Fast/Nbr: 800 1 47

Multi Trace Cl/set (in Volts): 3

Merge Panes: [Merge Icon] Print With Map

Select to Zoom: [Zoom Icon]

Show Hide

Trace Visual Printer

FIG. 12

Map/Trace
Histogram
Filter

Nbr of Objects (of specified Size)

ObjSize in microns (meeting TH[<-1500(-0.802734V)])

Trk Start/Stop: 662 991

TH Flow/Volts: 1500 -0.80273

Sph Min/Max: 101 201

Start Stop Clip

Trk Upd/Cur: 10 991

Nbr Pts/Sphs: 2187 47

Zoom/Pan Cl

Zoom Off 0.25

Zoom In 0.25

In/Out

Pan

Reset

Recall 0

Square Map to: Width Height

Track First/Nbr: 800 1

Multi-Trace Offset (in Volts): 3

Merge Panels: ☐ Print With Map

Select to Zoom

Show Hide

Trace Visual Printer

FIG. 13

Map/Trace Histogram Filter

Y Microns (Ticks: 897-925)

24620.0

24610.0

24600.0

24590.0

24580.0

125

890.0 880.0 870.0 860.0 850.0

X Distance (microns)

Map

Trk Start/Stop 662 991

TH Row/Volts 1500 -0.80273

Sph Min/Max 27 41

Trk Upd/Curr 10 991

Nbr Pts/Sphs 2187 418

Start Stop

Trk Upd/Curr 10 991

Nbr Pts/Sphs 2187 418

Zoom/Pan Cl

Zoom Off 0.25 0.25

Zoom In

In/Out

Pan

Reset

Recall

Square Map to Width Height

Viewable Classes

anObjectLine

Visible

Mapping Markers

Solid square

Press START to use new marker

Trace Visual Print

FIG. 15

00378878-003300

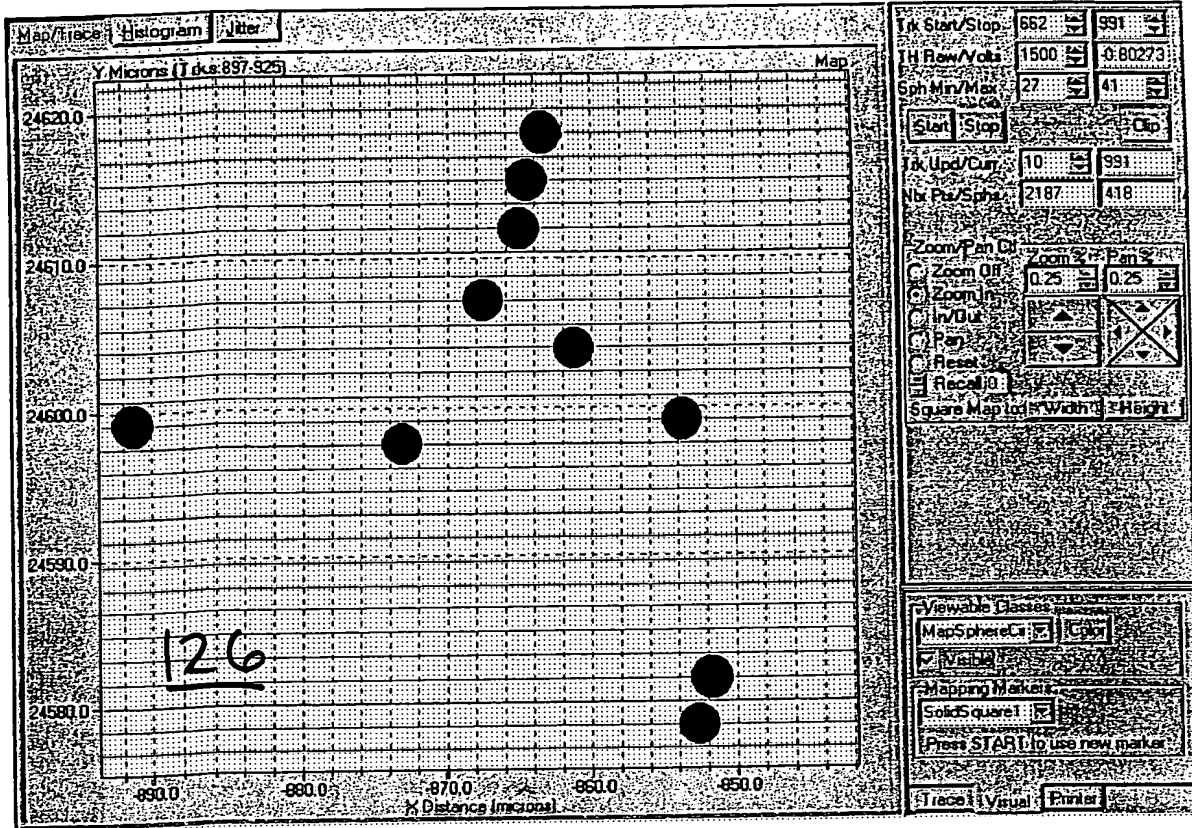


FIG. 16

00378878-000000

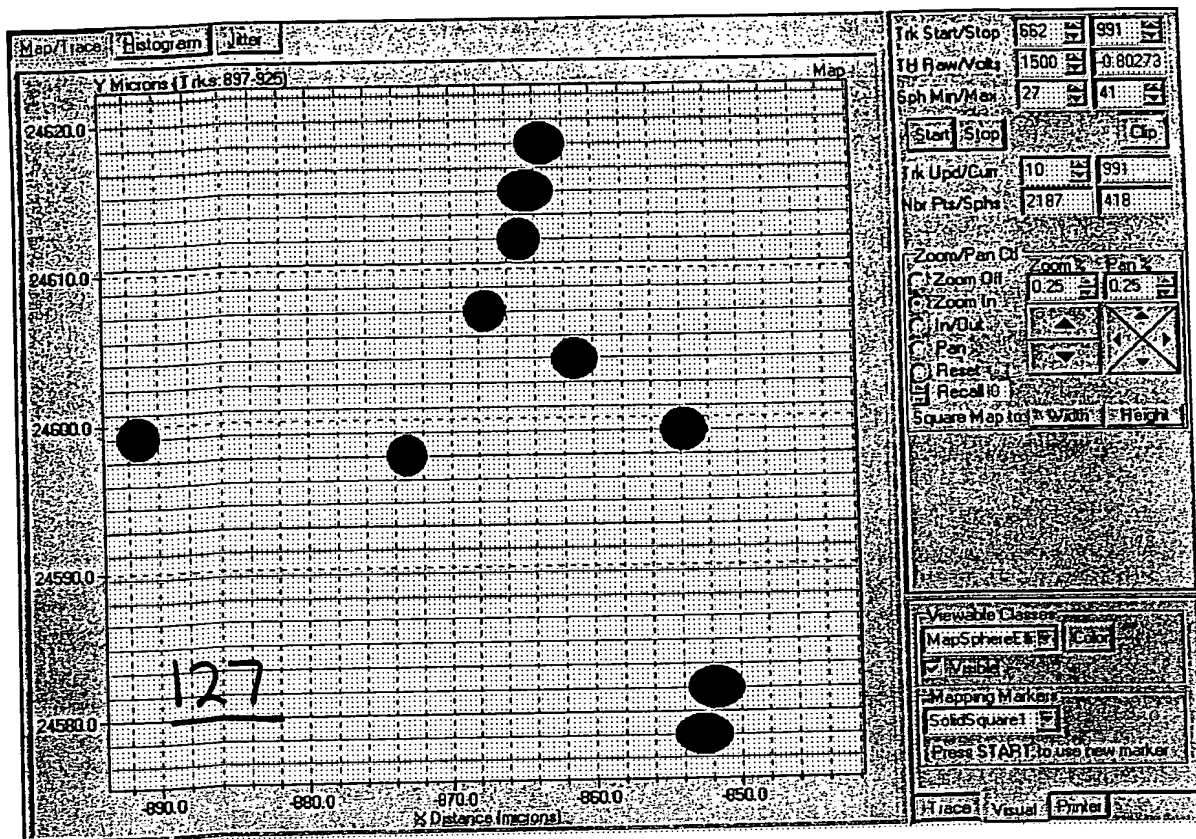


FIG. 17

Map/Trace Histogram Filter

Y Microns (Taks: 897.926)

24620.0

24610.0

24600.0

24590.0

24580.0

890.0 880.0 870.0 860.0 850.0

X Distance (microns)

129

Tsk Start/Stop 662 991

Ttl Row/Vol 1500 0.80273

SpH Min/Max 27 41

Start Stop Op

Tnk Upd/Cur 10 991

Nly Pts/Spns 2187 418

Zoom/Par On Zoom Off Zoom In Inv On Inv Off Par On Par Off

Reset Recall ID

Square Map to FWidth HHeight

Viewable Classes Map/SphereLi Color

Mapping Markers SolidSquare1 Press START to use new marker

Trace Visual Printer

FIG. 19

002280-84884200

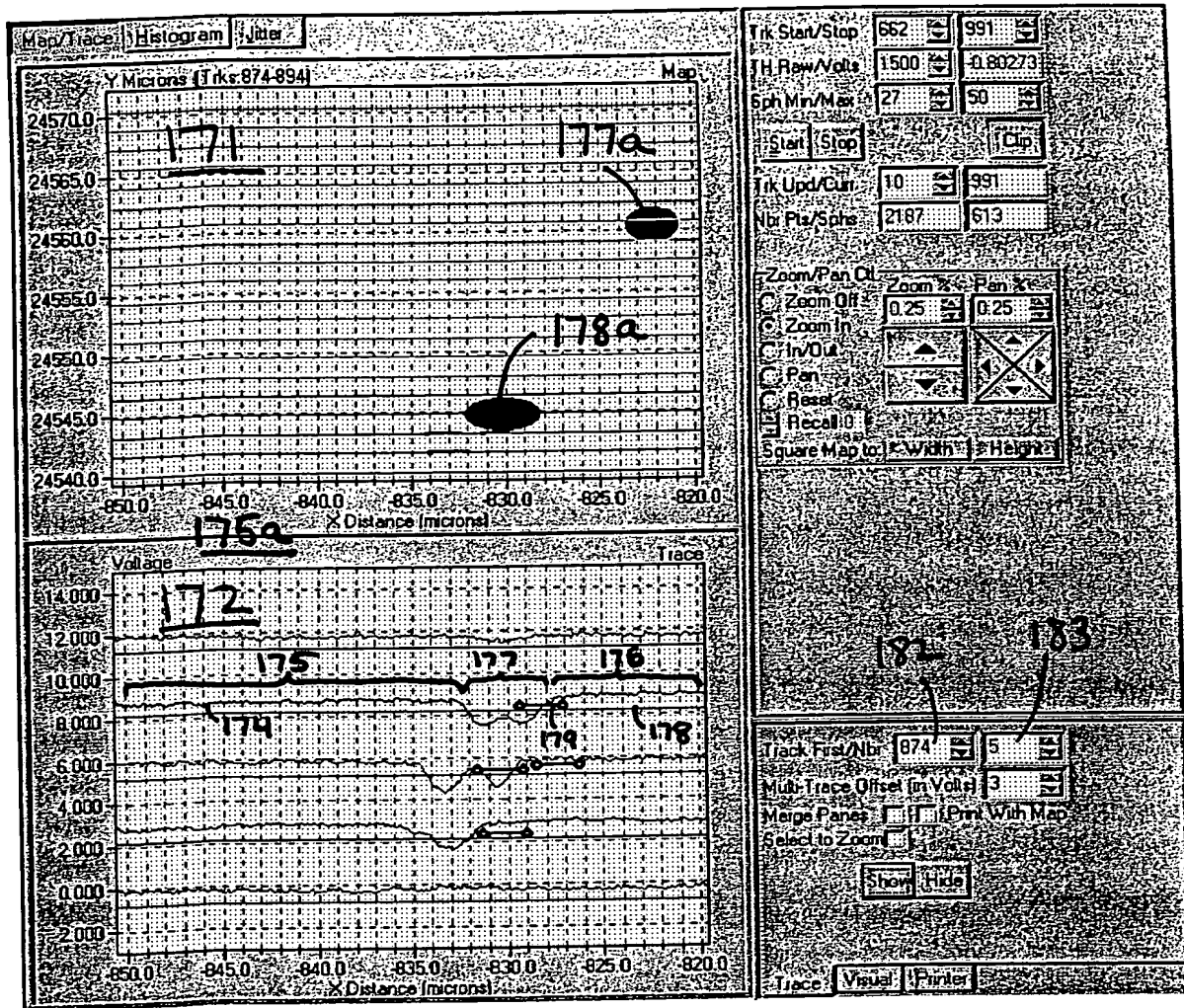


FIG. 20

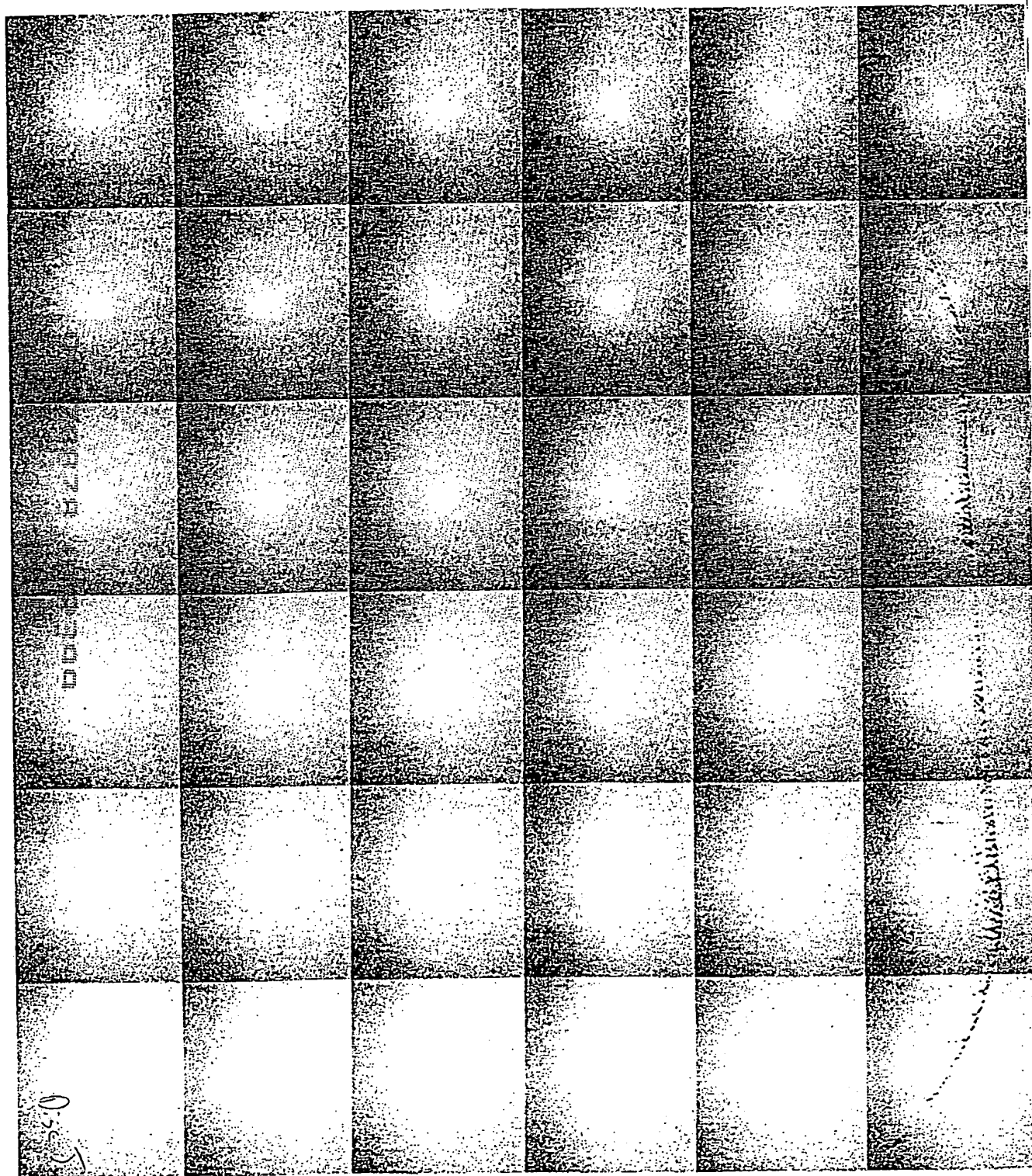


FIG. 21

00378978-00233

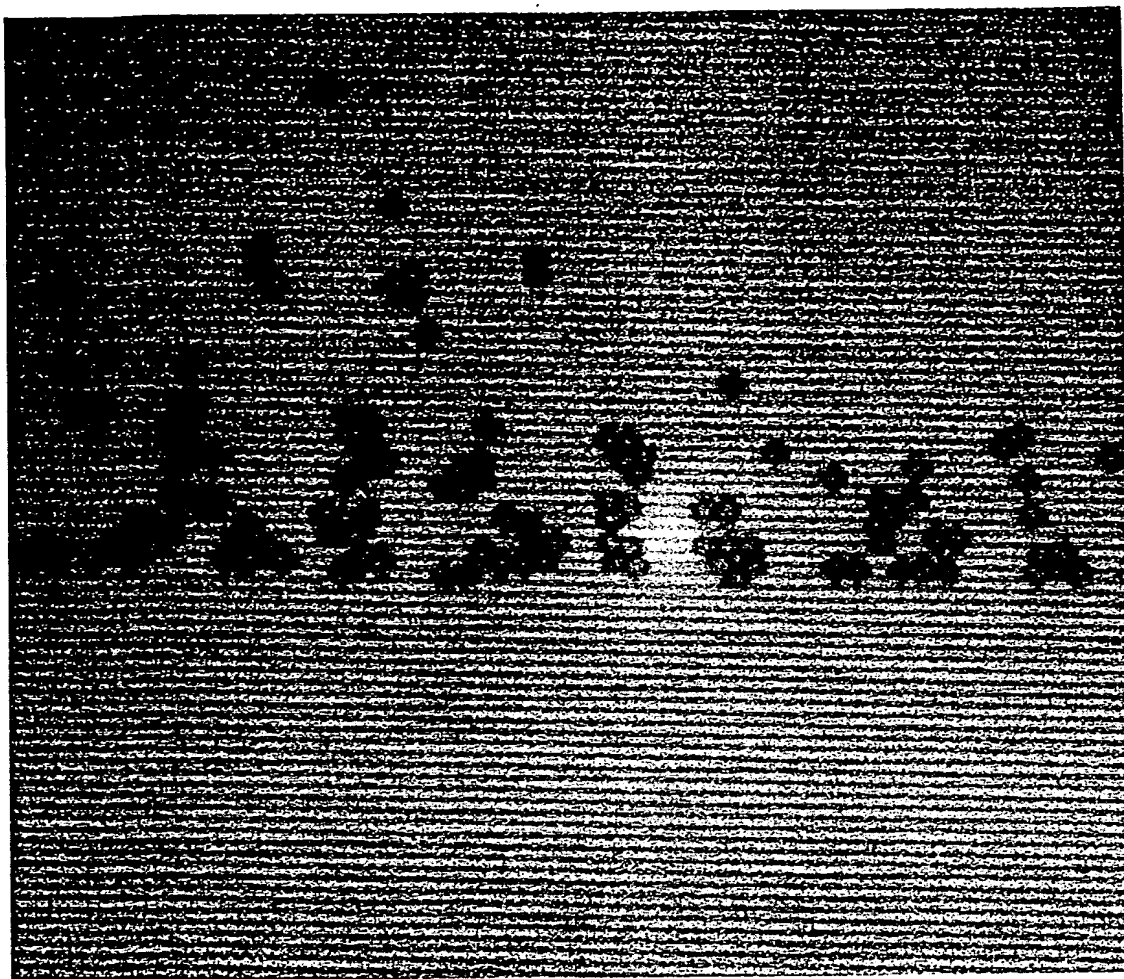


FIG. 22

FIG. 23

00000-8289260

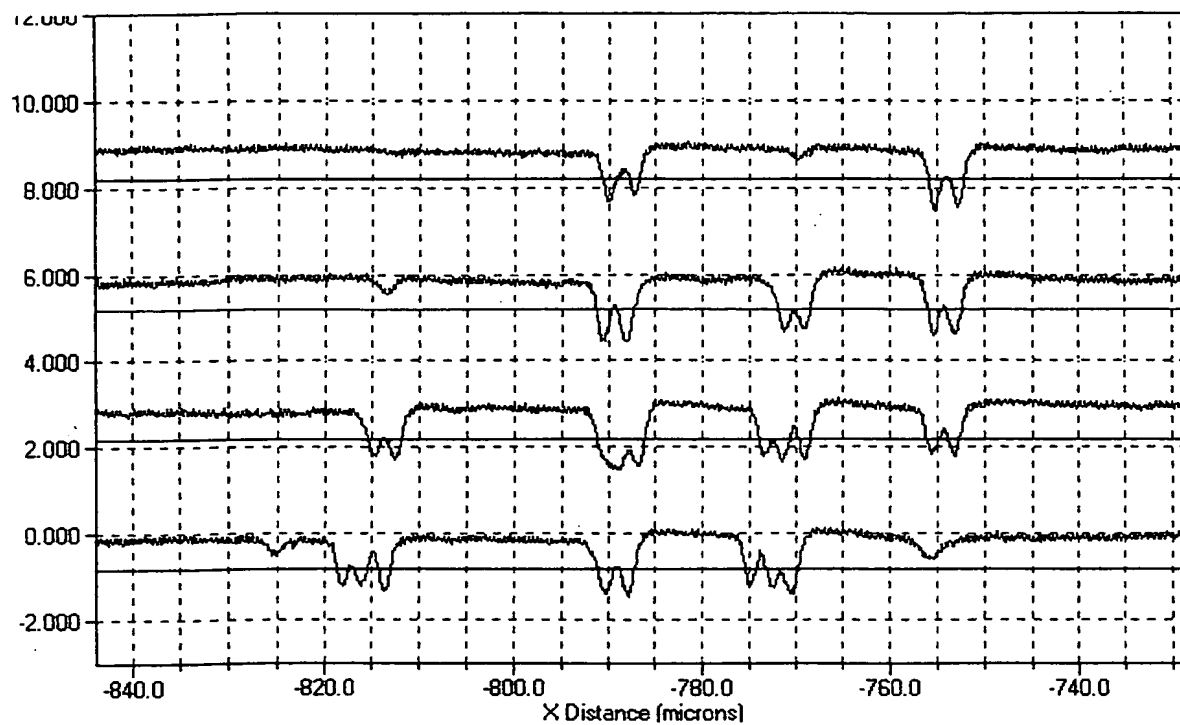


FIG. 24

FIG. 27

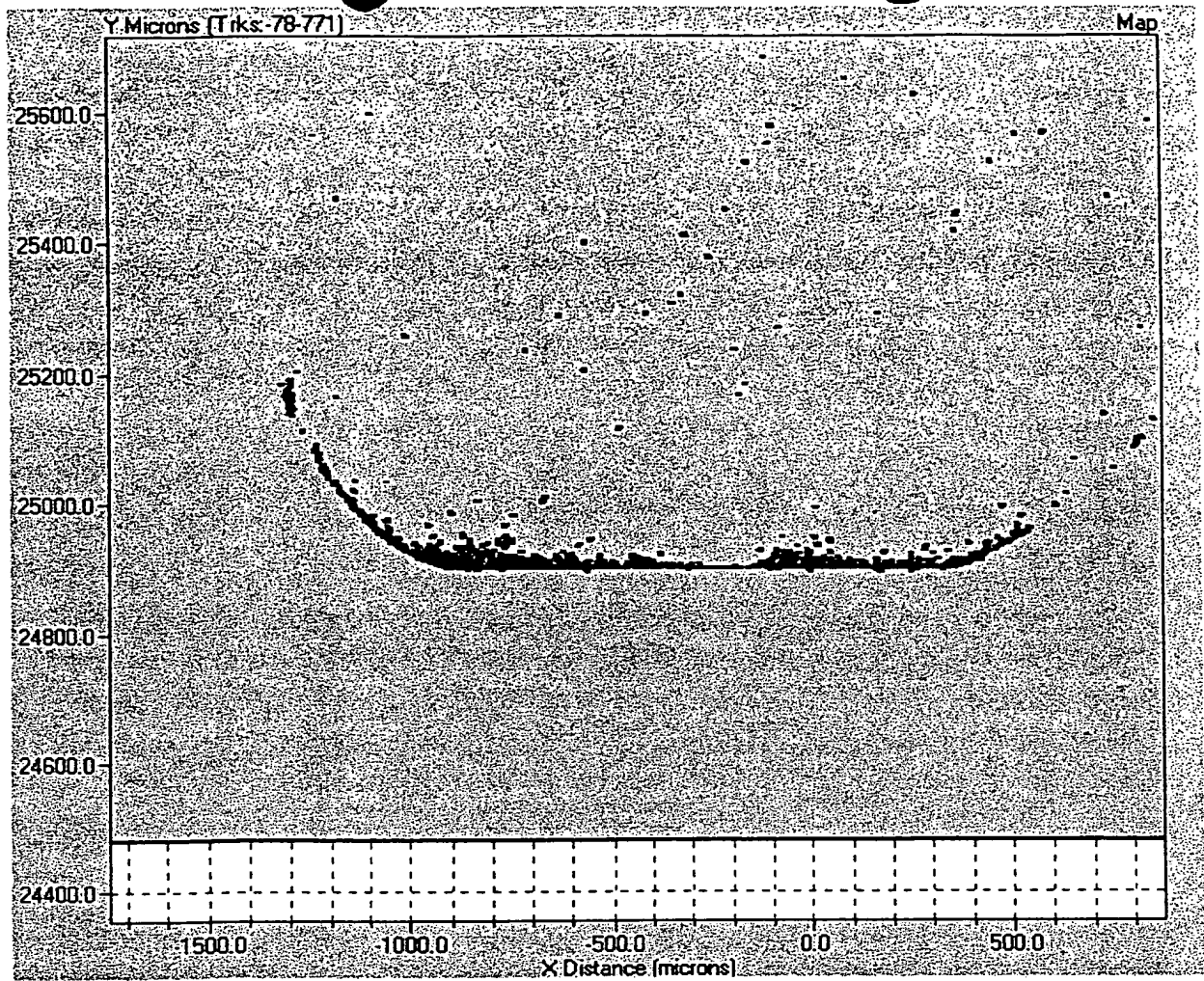


FIG. 29

FIG. 30

